

# Regional Comprehensive Plan

## Energy Chapter Current Conditions

Jennifer Brost Sarnecki, Energy Chapter Program Manager



# Purpose

- Describe staff efforts
- Link to performance outcomes
- Solicit additional information

SOUTHERN CALIFORNIA



ASSOCIATION of  
GOVERNMENTS

# Electricity Consumption

## SCAG Region Electricity Consumption

Commercial = 39%

Residential = 30%

Industrial = 19%

Ag, mining, etc. = 13%

Source: California Energy Commission, California Energy Demand 2006-2016 Staff Energy Demand Forecast, September 2005, CEC-400-2005-034-SF-ED2.



# Electricity Production

## California Gross System Power for 2004 (In Gigawatt-Hours)

Natural Gas = 42%

Coal = 20%

Large Hydro = 15%

Nuclear = 13%

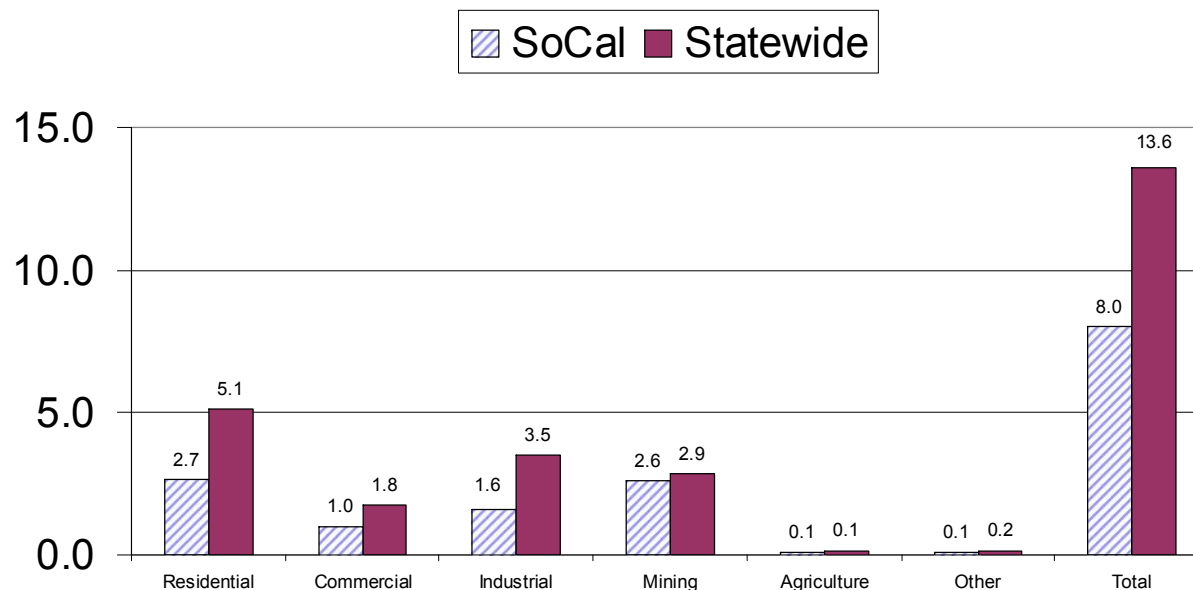
Renewable = 10%

Source: California Energy Commission. 2004 Net System Power Calculation Report, Energy Commission Publication # CEC-300-2005-004.



# Natural Gas Consumption

**Natural Gas Demand by Sector 2004**  
(in Billion of Therms)



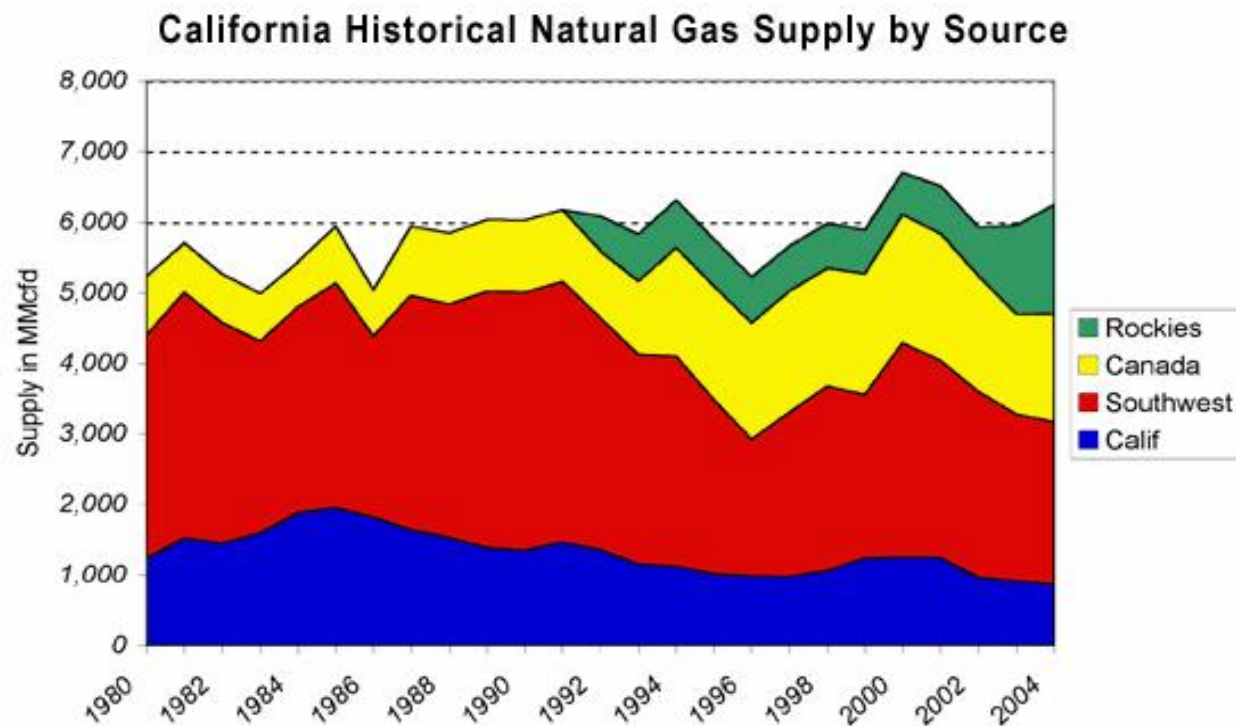
Source: California Energy Commission, California Energy Demand 2006-2016 Staff Energy Demand Forecast, September 2005, CEC-400-2005-034-SF-ED2.

SOUTHERN CALIFORNIA



ASSOCIATION of  
GOVERNMENTS

# Natural Gas Supply



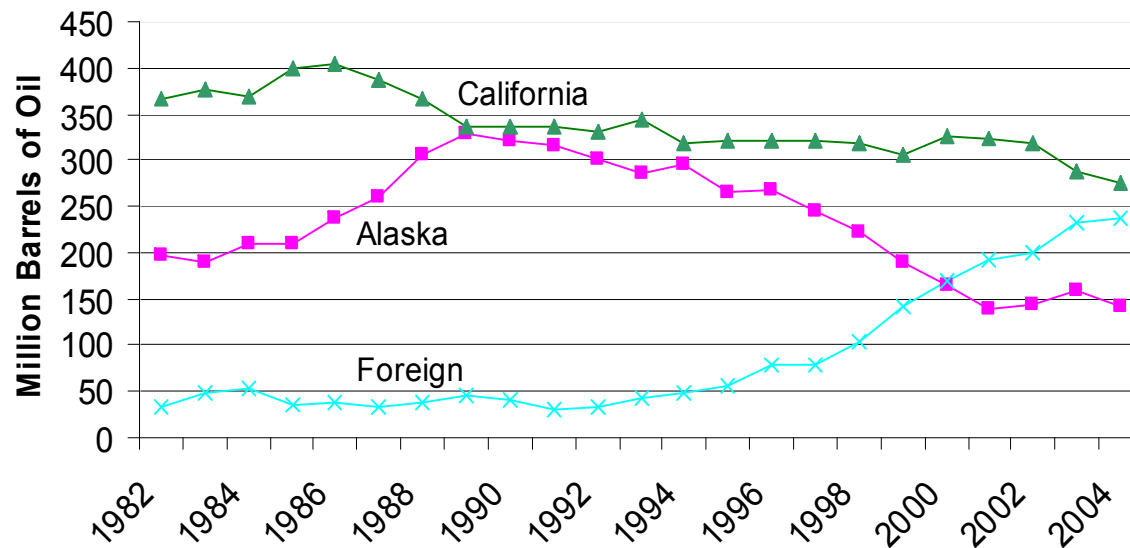
Source: California Gas Reports, FERC Form 2, QFER Form 6a and 10a, California Department of Conservation Division of Oil and Gas - Annual Report of the State Oil and Gas Supervisor, [http://www.energy.ca.gov/naturalgas/statistics/gas\\_supply\\_by\\_source.html](http://www.energy.ca.gov/naturalgas/statistics/gas_supply_by_source.html)

# Alternative Energy Sources

Southern California Edison Energy from Qualifying Facilities	
Technology	MegaWatts Under Contract
Cogeneration	2,241
Wind	1,069
Geothermal	950
Solar	379
Biomass	254
Small Hydro	95
<b>Total</b>	<b>4,988</b>
Source: Southern California Edison Company. (31 January 2006). <i>QF Resources: Qualifying Facilities Semi-Annual Status Report to the California Public Utilities Commission.</i>	

# Petroleum Supply

## Oil Supply Sources to California Refineries



Source: California Energy Commission, Oil Supply Sources to California Refineries, March 9, 2005.



# Travel Fuel Demand

## Vehicle Fuel Consumption (VFC) and Vehicle Miles Traveled (VMT), 2000

County/Region	VFC (Gallons/Day)	VMT/Day
Imperial	274,466	4,692,770
Los Angeles	11,579,222	224,343,633
Orange	3,735,060	73,383,463
Riverside	2,241,512	42,984,468
San Bernardino	2,773,932	50,377,970
Ventura	933,197	18,687,142
<b>SCAG Region</b>	<b>21,537,389</b>	<b>414,469,447</b>
California	46,121,370	880,468,493

Source: California Department of Transportation, Division of Transportation System Information. (November 2003). *California Motor Vehicle Stock, Travel and Fuel Forecast*.

# Questions or Comments?



SOUTHERN CALIFORNIA



ASSOCIATION of  
GOVERNMENTS



# Thank You

Contact:

Jennifer Brost Sarnecki  
[sarnecki@scag.ca.gov](mailto:sarnecki@scag.ca.gov)  
(213) 236-1829

